


PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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|--|--|---|---|----------------------|
| Applicant's or agent's file reference AER-47387 | | FOR FURTHER ACTION | | See Form PCT/PEA/416 |
| International application No. PCT/IB2004/004018 | | International filing date (day/month/year) 02.12.2004 | Priority date (day/month/year) 05.12.2003 | |
| International Patent Classification (IPC) or national classification and IPC H04N7/14 | | | | |
| Applicant ATI TECHNOLOGIES, INC et al. | | | | |
| <p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 7 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> sent to the applicant and to the International Bureau a total of sheets, as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 602 of the Administrative Instructions).</p> | | | | |
| <p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input checked="" type="checkbox"/> Box No. VIII Certain observations on the international application</p> | | | | |
| Date of submission of the demand 05.10.2005 | | Date of completion of this report 06.02.2006 | | |
| Name and mailing address of the international preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016 | | Authorized Officer Dockhorn, H Telephone No. +31 70 340- | | |



**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/IB2004/004018

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

- ☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements* of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages

1-18 as originally filed

Claims, Numbers

1-28 as originally filed

Drawings, Sheets

1/6-6/6 as originally filed

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
 - ☐ the claims, Nos.
 - ☐ the drawings, sheets/figs
 - ☐ the sequence listing (*specify*):
 - ☐ any table(s) related to sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/B2004/004018

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

| | | |
|-------------------------------|-------------|------|
| Novelty (N) | Yes: Claims | 1-28 |
| | No: Claims | |
| Inventive step (IS) | Yes: Claims | |
| | No: Claims | 1-28 |
| Industrial applicability (IA) | Yes: Claims | |
| | No: Claims | 1-28 |

2. Citations and explanations (Rule 70.7):

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re Item V.

- 1 Reference is made to the following documents:

D1 : US 6 377 261 B1 (FERNANDEZ GUSTAVO ARTURO ET AL) 23 April 2002
(2002-04-23)

D2: WO 01/39497 A (ORANGE PERSONAL COMMUNICATIONS SERVICES
LIMITED; FISHER, GRAHAM) 31 May 2001 (2001-05-31)

2 INDEPENDENT CLAIM 1

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not inventive in the sense of Article 33(3) PCT.
Document D1 discloses (the references in parentheses applying to this document):

A method for multimedia display in a device comprising (column 2, line 56-column 3, line 3):

interface protocol, the encoded multimedia display commands including a type code and an operation code (column 3, lines 3-6);

decoding the encoded multimedia display command to generate a multimedia display command by retrieving the multimedia display command as referenced by the command type code and the operation code (obvious step in the execution of programmed instructions)

executing the multimedia display command (column 3, line 40-45).

The subject-matter of claim 1 differs from this known method in that the method is applied to a mobile device. However, the principles described in D1 appear to be readily applicable to the case of mobile devices without the exercise of any inventive skill.

3 INDEPENDENT CLAIM 10

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 10 is not inventive in the sense of Article 33(3) PCT.
Document D1 discloses (the references in parentheses applying to this document):

*An apparatus for multimedia display in a device comprising (column 2, line 65-line 3):
a multimedia link interface capable of receiving an encoded multimedia display command encoded in a multimedia link interface command protocol and generating therefrom a multimedia display command capable of being performed by the multimedia display output and provide the multimedia display output to a display device (column 2, line 65-column 3, line 3).*

The subject-matter of claim 10 differs from this known apparatus in that it is built into a mobile device. Given that the features of this mobile device as listed in claim 10, do not serve to define the apparatus itself, the arguments developed in §2 with respect to claim 1 equally apply to claim 10.

4 INDEPENDENT CLAIM 16

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 16 is not inventive in the sense of Article 33(3) PCT.
Document D1 discloses (the references in parentheses applying to this document):

*A device comprising:
a central processing unit capable of generating an encoded multimedia display command (figure 1, numeral 11);
a multimedia processing device operably coupled to the central unit across a bi-directional bus, the multimedia device including (figure 1, numeral 16):
a multimedia processor capable of generating a multimedia display output (column 2, line 65 - column 3, line 3);
a multimedia display buffer coupled to the multimedia processor (implied); and
a multimedia link interface capable of receiving the encoded multimedia display command from the central processing unit, wherein the encoded multimedia display*

command is encoded in a multimedia device link command protocol such that the multimedia processor decodes the encoded multimedia display command (column 2, line 65 - column 3, line 3); and

an output device operably coupled to the multimedia processing device such that the output device receives a multimedia display output from the multimedia processing device for display thereupon (column 2, line 65 - column 3, line).

The subject-matter of claim 16 differs from this known device apparatus in that it is mobile and provided with a camera. The implications of the device being mobile are discussed in §2 with respect to claim 1. The provision of a camera appears to be of no consequence to the display of the multimedia and is well-known in itself (see for instance D2, figure 1). For these reasons claim 16 is not considered inventive.

5 INDEPENDENT CLAIM 24

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 24 is not inventive in the sense of Article 33(3) PCT. Document D1 discloses (the references in parentheses applying to this document):

A method for multimedia display interfacing in a device comprising (column 2, line 65 - column 3, line 3):

receiving an encoded multimedia display command encoded within a multimedia link interface protocol, the encoded multimedia display command including a command type code and an operation code, wherein the command type code is utilized to determine if the encoded multimedia display command is at least one of the following: a type_zero command and a type_one command and the operation code is utilized to determine if the encoded multimedia is at least one of the following: a read command, a write command, a response command and a reset command (column 2, line 65 - column 3, line 3 in combination with table 1):

decoding the encoded multimedia display command to generate a multimedia display command, as referenced by the command type code and the operation code, wherein when the encoded multimedia display command is the type_zero command, the encoded multimedia command further includes a byte_length data packet and a

byte_address data packet and when the encoded multimedia display is the type_one command, the encoded multimedia command further includes a client identifier (column 6, lines 10-18);

accessing a lookup table using the client identifier as an index (column 6, lines 10-18); and

executing the multimedia display command (column 3, lines 38-45).

It is noted that claim 24 does not define the terms **type_zero command**, **type_one command**, **byte_address data packet** and **byte_length data packet**. However, it is considered that, whatever their definition, these terms will in any case fall within the scope of the concepts on which the Motorola 68000 instruction set, as used in D1 (see column 23, line 11), is based.

The subject-matter of claim 24 differs from this known method in that it is applied to a mobile device. For the reasons set out in §2 above this is not considered inventive.

6 DEPENDENT CLAIMS 2-9, 11-15, 17-23, 25-28

Dependent claims 2-9, 11-15, 17-23, 25-28 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).

Re Item VIII.

The application does not meet the requirements of Article 6 PCT, because the claim are not clear. In particular the claims do not define the terms **type_zero command**, **type_one command**, **byte_length data packet** and **byte_address data packet**. Moreover the terms **interface protocol** and **client identifier** appear to be confusing. Finally it is noted that there appear to be too many independent claims in the device and method claim categories.